

Title (en)  
DRAWING CONTROL METHOD, LASER IRRADIATING APPARATUS, DRAWING CONTROL PROGRAM, AND RECORDING MEDIUM HAVING  
RECORDED THEREWITH

Title (de)  
ZEICHNUNGSSTEUERVERFAHREN, LASERBESTRAHLUNGSVORRICHTUNG, ZEICHNUNGSSTEUERPROGRAMM UND  
AUFZEICHNUNGSMEDIUM MIT DEM DARAUF AUFGEZEICHNETEN PROGRAMM

Title (fr)  
PROCÉDÉ DE COMMANDE DE DESSIN, APPAREIL DE RAYONNEMENT LASER, PROGRAMME DE COMMANDE DE DESSIN ET SUPPORT  
D'ENREGISTREMENT ENREGISTRÉ AVEC CEUX-CI

Publication  
**EP 2490900 A4 20171011 (EN)**

Application  
**EP 10824997 A 20101014**

Priority  
• JP 2009240398 A 20091019  
• JP 2010202723 A 20100910  
• JP 2010068536 W 20101014

Abstract (en)  
[origin: WO2011049148A1] Drawing control methods, laser irradiating apparatuses, drawing control programs, and recording mediums having recorded therewith are provided that make it possible to efficiently carry out drawing with high quality. The drawing control method controls, by a computer, a drawing device which draws what is to be drawn onto multiple unit regions on a surface of a medium, wherein the computer executes a drawing order determining step which determines a drawing order of a line segment included in the what is to be drawn such that multiple continuing line segments over mutually neighboring multiple unit regions are drawn continuously.

IPC 8 full level  
**B41J 3/01** (2006.01); **B41J 2/32** (2006.01); **G06K 1/05** (2006.01)

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Citation (search report)  
• [XY] EP 1655683 A1 20060510 - TECHNOLOGY TRANSFER SERVICE CO [JP]  
• [XY] JP 3501987 B2 20040302  
• [Y] EP 1897695 A2 20080312 - LINTEC CORP [JP]  
• [Y] US 4928277 A 19900522 - MONMA HISAYOSHI [JP], et al  
• [Y] EP 1834795 A1 20070919 - RICOH KK [JP]  
• See references of WO 2011049148A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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**WO 2011049148 A1 20110428**; CN 102666111 A 20120912; CN 102666111 B 20150107; CN 104129171 A 20141105;  
CN 104129171 B 20161005; EP 2490900 A1 20120829; EP 2490900 A4 20171011; EP 2490900 B1 20181205; JP 2011104990 A 20110602;  
JP 5720155 B2 20150520; KR 101396041 B1 20140516; KR 20120068916 A 20120627; TW 201120669 A 20110616; TW I468963 B 20150111;  
US 2012200656 A1 20120809; US 2015049154 A1 20150219; US 8902267 B2 20141202; US 9446601 B2 20160920

DOCDB simple family (application)  
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JP 2010202723 A 20100910; KR 20127009720 A 20101014; TW 99135597 A 20101019; US 201013502249 A 20101014;  
US 201414527101 A 20141029